

## 1856B Coax - RG-59/U Type

For more Information  
please call

1-800-Belden1

**Description:**

20 AWG solid .032" bare copper conductor, gas-injected foam HDPE insulation, bare copper braid shields (95% coverage), Belflex® jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	Solid	BC - Bare Copper	.032

**Insulation****Insulation Material:**

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	.145

**Inner Shield****Inner Shield Material:**

Type	Inner Shield Material	Coverage (%)
Braid	BC - Bare Copper	95

**Inner Jacket****Inner Jacket Material:**

Inner Jacket Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	.216

**Outer Shield****Outer Shield Material:**

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	95

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Trade Name	Outer Jacket Material
Belflex®	PVC Blend - Polyvinyl Chloride Blend

**Overall Cable**

Overall Nominal Diameter: 0.360 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -35°C To +75°C

UL Temperature Rating: 60°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 81 lbs/1000 ft.

Max. Recommended Pulling Tension: 124 lbs.

Min. Bend Radius (Install)/Minor Axis: 4.500 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMR
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CEC/C(UL) Specification:	CMG
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EU CE Mark:	No
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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**Flame Test**

UL Flame Test:	UL1666 Vertical Shaft
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**Suitability**

Suitability - Indoor:	Yes
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Suitability - Outdoor:	Yes
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**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
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75
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**Nom. Inductance:**

Inductance (μH/ft)
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.097
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**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)
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16.2
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**Nominal Velocity of Propagation:**

VP (%)
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83
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**Nominal Delay:**

Delay (ns/ft)
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1.22
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**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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10.1
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**Nom. Inner Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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2.5
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**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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1.6
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**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
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1	.3
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3.6	.6
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10	.8
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71.5	2.2
135	3.0
270	4.2
360	4.8
540	5.9
720	6.9
750	7.1
1000	8.8
1500	12.0
2250	16.4
3000	20.4

**Max. Operating Voltage - UL:**

Voltage
300 V RMS

**Max. Operating Voltage - Non-UL:**

Voltage
300 V RMS

**Minimum Structural Return Loss:**

Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
5	850	21
851	3000	15

**Sweep Test**

**Sweep Testing:** 100% Sweep tested 5 MHz to 3 GHz.

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1856B B591000	1,000 FT	86.000 LB	BLACK, MATTE	C	#20 PE/GIFHDLDPE SH PVC TRIAX
1856B 0021000	1,000 FT	86.000 LB	RED	C	#20 PE/GIFHDLDPE SH PVC TRIAX
1856B 0041000	1,000 FT	86.000 LB	YELLOW	C	#20 PE/GIFHDLDPE SH PVC TRIAX
1856B 0051000	1,000 FT	86.000 LB	GREEN, DARK	C	#20 PE/GIFHDLDPE SH PVC TRIAX
1856B 0061000	1,000 FT	86.000 LB	BLUE, LIGHT	C	#20 PE/GIFHDLDPE SH PVC TRIAX
1856B 0071000	1,000 FT	86.000 LB	VIOLET	C	#20 PE/GIFHDLDPE SH PVC TRIAX

**Notes:**

C = CRATE REEL PUT-UP.

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